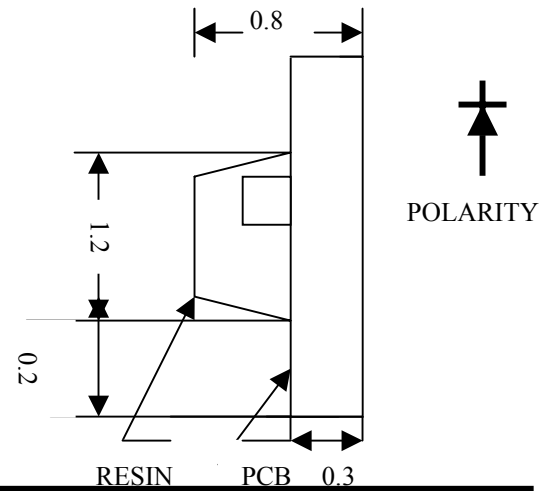
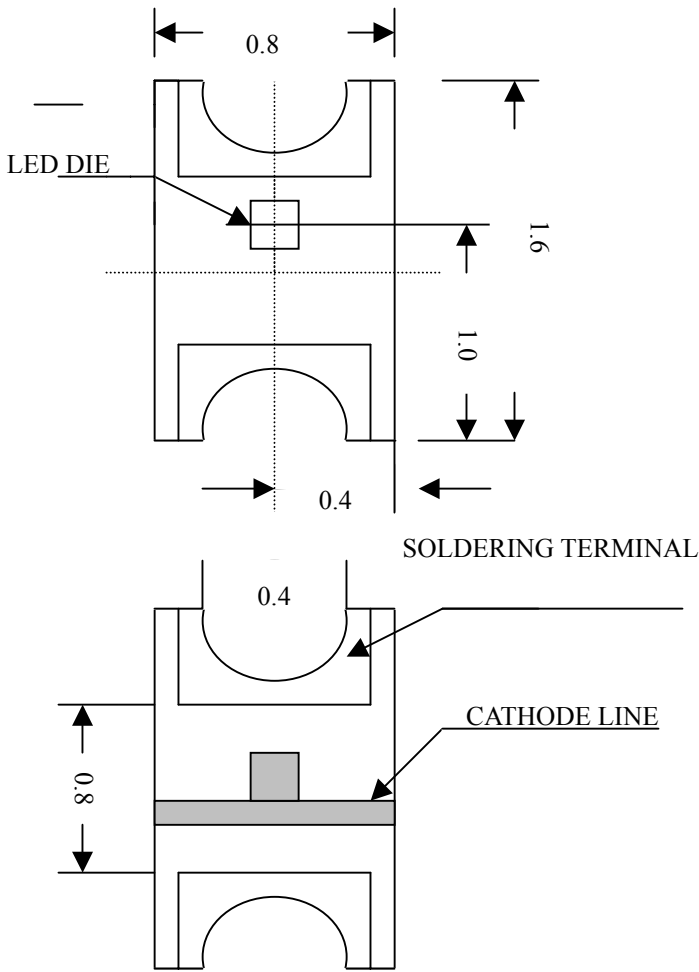


YT-190XX SERIES

0603 SURFACE MOUNT LEDs



1. UNIT:mm TOLERANCE:±0.1
2. SOLDERING TERMINAL MAY SHIT IN X, Y DIRECTION
3. POLARITY REFERING ONTO THE CATHODE MARK LINE IS REVERSED FOR LR. & SR
4. REVERSE VOLTAGE: 5 VOLTAGE
5. REVERSE CURRECT($V_r=5V$): 10mA
6. OPERATION TEMPERATURE RANGE: $-40\text{°C}+85\text{°C}$
7. STORAGE TEMPERATURE RANGE: $-40\text{°C}+100\text{°C}$
8. LEAD SOLDERING TEMPERATURE: 160°C FOR 5 SEC.

ELECTRO-OPTICAL CHARACTERISTICS:

($I_f @ 20\text{mA}$ $T_a 25\text{°C}$)

PART NO.	EMITTING COLOR	MATERIAL	Vf(V)		λ (nm)			Iv(mcd)	Viewing Angle 2 Θ 1/2 (Deg)
			typ	Max	λ_D	λ_p	$\Delta\lambda$	Typ	
YT-190SB-470	U/B BLUE	InGaN	3.5	4.2	470	468	45	70	140°
YT-190UG-525	U/B GREEN	InGaN	3.5	4.2	525	522	30	40	140°
YT-190SW	S/B WHITE	InGaN	4.0	4.5			45	100	140°
YT-190UG-4	U/B GREEN	AlGaInP	2.2	2.6	570	574	16	45	140°
YT-190UY-4	U/B YELLOW	AlGaInP	2.0	2.6	591	593	15	70	140°
YT-190UR-4	U/B RED	AlGaInP	2.0	2.6	637	655	22	55	140°
YT-190UP	U/B PURPLE	InGaN	3.5	4.2			45	70	140°
YT-190SR	S/B RED	AlGaAs	1.95	2.6	660	643	20	20	140°
YT-190HR	S/B RED	AlGaAs	1.95	2.3	660	643	20	35	140°
YT-190UR	U/B RED	AlGaAs	1.95	2.3	660	643	20	40	140°
YT-190YG	YELLOW/GREEN	GaP	2.3	2.7	568	57	35	15.0	140°